

No. 834,408.

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M. RENZ.
HOOP LUG.

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Fig. 1.

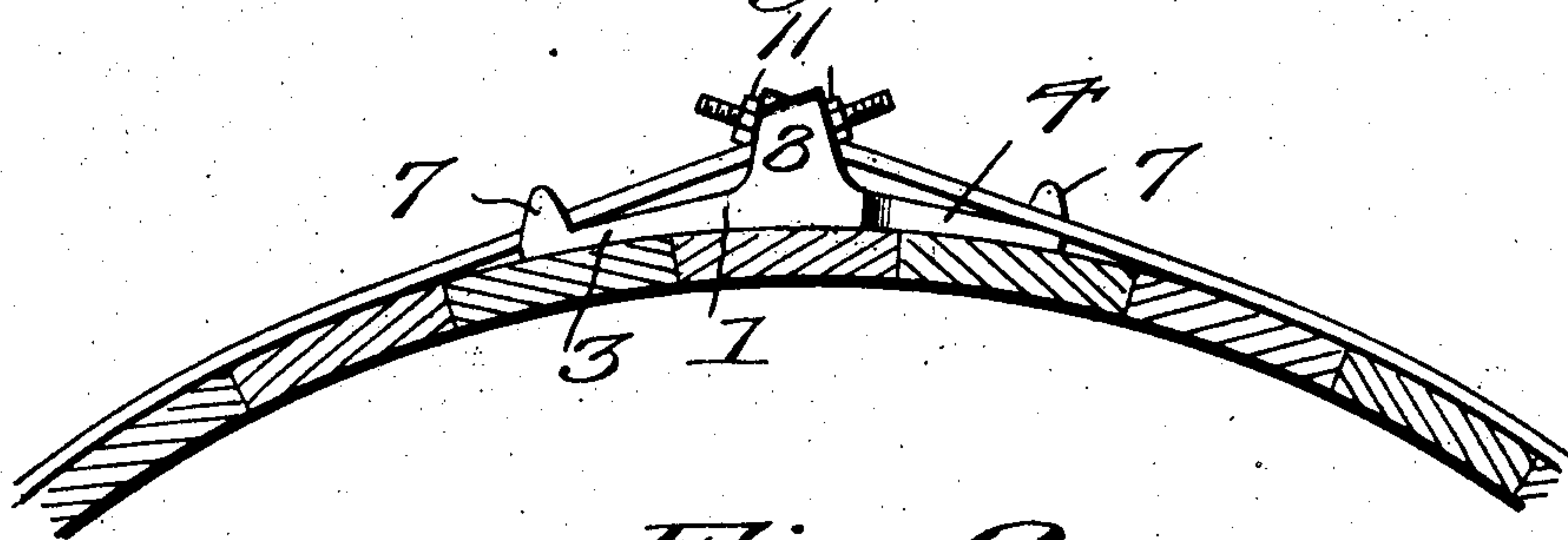


Fig. 2.

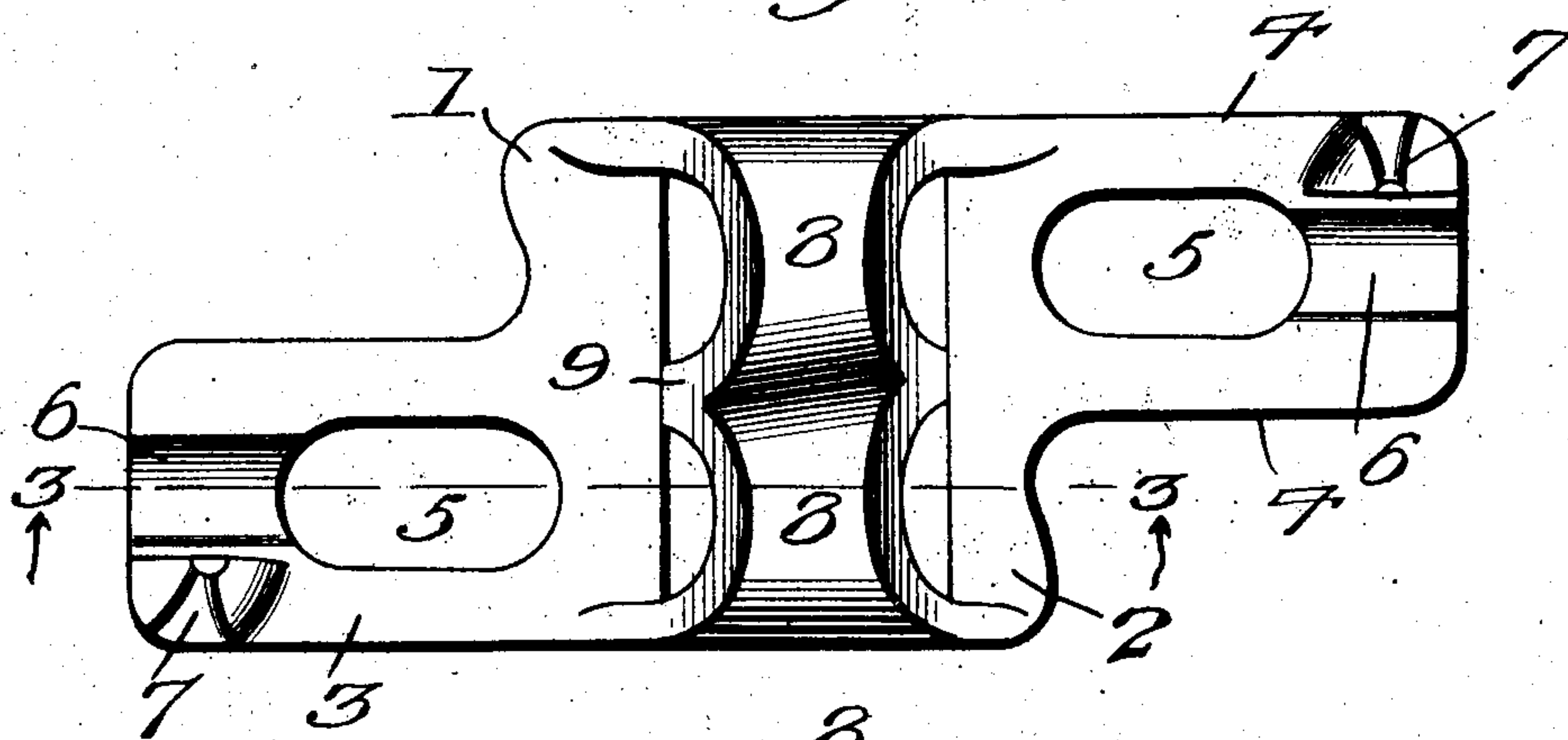


Fig. 3.

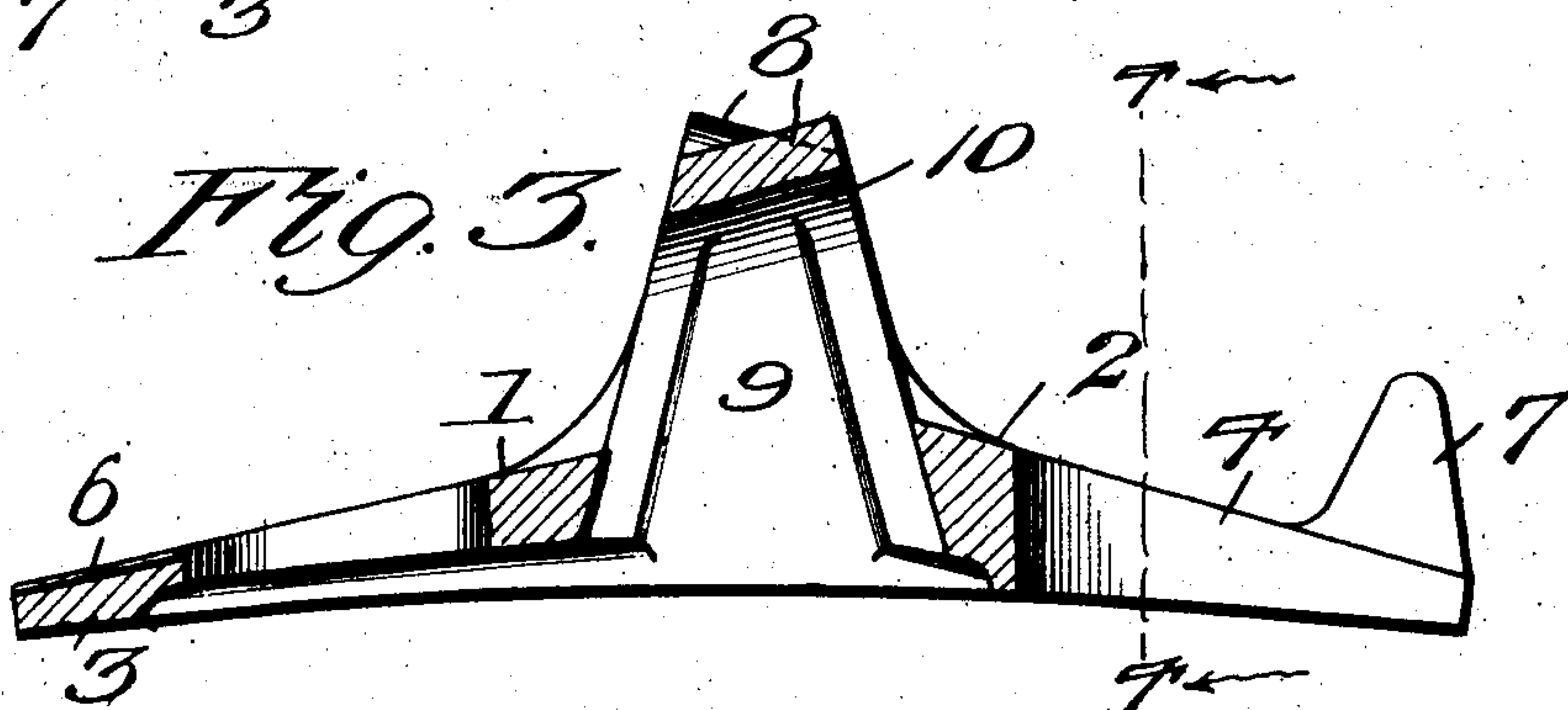
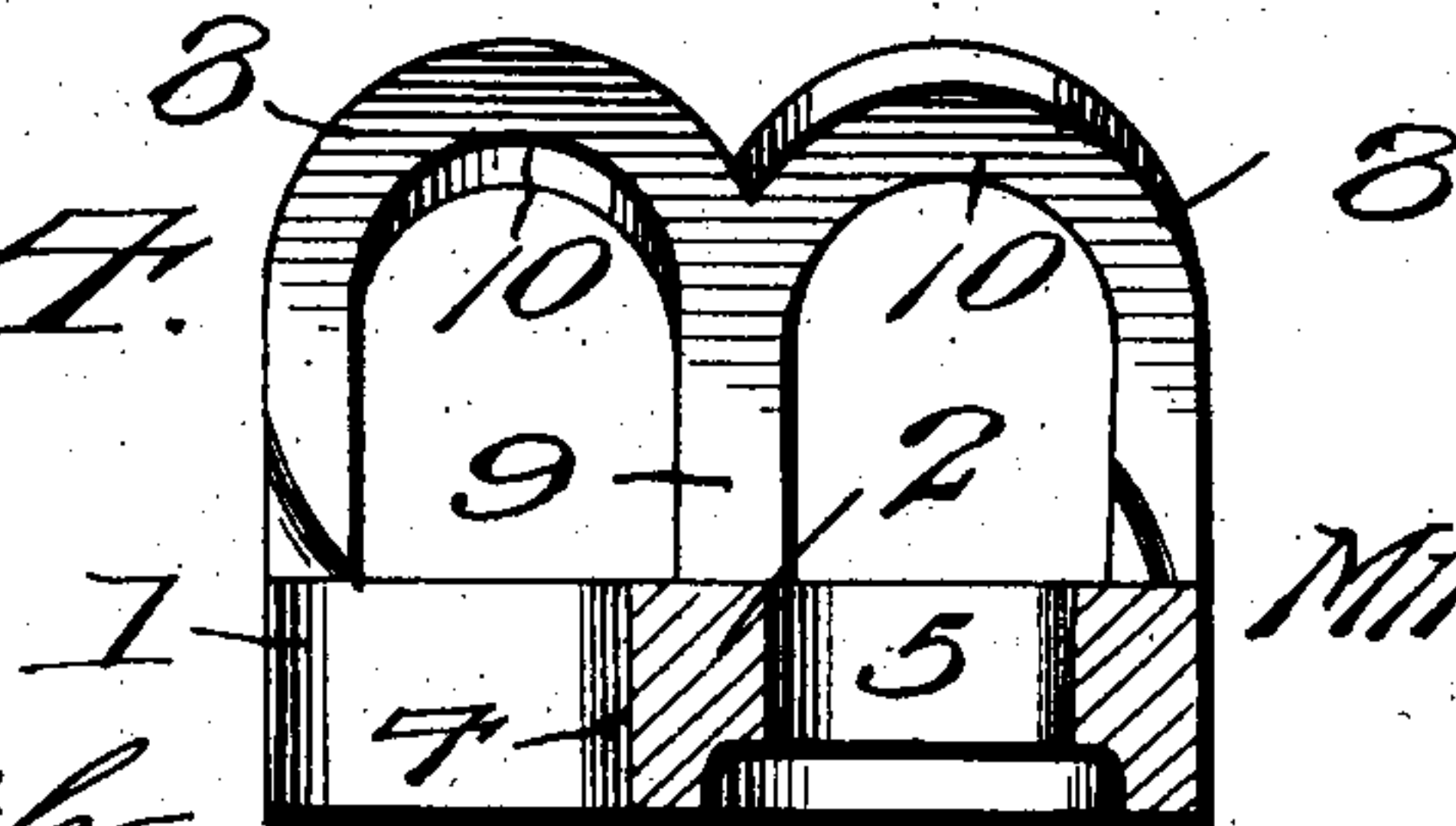


Fig. 4.



Witnesses

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HOOP-LUG.

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To all whom it may concern:

Be it known that I, MITCHELL RENZ, a citizen of the United States, residing at Mobile, in the county of Mobile and State of Alabama, have invented new and useful Improvements in Hoop-Lugs, of which the following is a specification.

My invention relates to improvements in lugs for securing hoops in position upon tanks, vats, cisterns, &c., and has for its object to provide a lug which is adapted for use in connection with hoops formed of round or oval rods or rods of any suitable contour in cross-section.

Another object is to provide a lug which is formed in a single casting and has the receiving slots or ears thereof inclined, so as to permit the hoop ends to be inserted therein without the necessity of bending them, and to hold the hoop ends in an inclined position to facilitate the application and removal of their securing-nuts.

Another object is to provide a lug which can be used in connection with hoop-rods of different sizes.

The invention consists in the novel construction and arrangement of the several parts hereinafter fully described and claimed, reference being had to the accompanying drawings, in which—

Figure 1 is a side view of one of my improved lugs, showing the hoop connected thereto. Fig. 2 is a plan view of the lug with the hoop detached. Fig. 3 is a longitudinal section through the lug on the line 3 3 of Fig. 2. Fig. 4 is a cross-section of the lug on the line 4 4 of Fig. 3.

Referring now more particularly to the drawings, the numeral 1 designates the base of the lug, which comprises a rectangular body-plate 2, preferably transversely slotted or of skeleton form to secure lightness. Projecting from the opposite sides of this body-plate are wings or extensions 3 and 4, located on opposite sides of the longitudinal center line of the plate. Each of these wings is formed with a slot 5 to reduce weight and provided with a receiving-groove 6 and a retaining lug or shoulder 7, located at the outer side of the groove or at the side farther from the center line of the lug. The body-plate 2 carries a pair of eyes or slotted ears 8 of arched form, said ears having their outer ends extending upwardly from the outer end of the body-plate and their inner ends joined

by a bridge-piece 9, connecting them with the center of the body-plate at opposite sides of the slot therein. The upper walls of the eyes or ears are formed with inclined faces 10, the faces of the two ears being inclined upwardly in opposite direction. The lug as a whole consists of a single casting and is longitudinally curved to conform to the contour of a tank or similar receptacle.

When it is desired to secure a hoop in position upon a tank or vat, the lug is placed upon the receptacle between the threaded ends of the hoop, and said ends are then inserted through the eyes or ears from opposite sides thereof and rest against the inclined faces 10. Nuts 11 or other securing means are then applied to the ends of the hoop and adjusted to draw the ends in opposite directions through the ears, thereby firmly binding the hoop upon the tank. The ends of the hoop rest in the grooves 6 of the wings 3 and 4 and are held from outward movement by the retaining-lugs 7. By this arrangement the ends of the hoops will be held securely in position and the threaded terminals thereof disposed at such an angle as to facilitate the application to and removal of the nuts therefrom. The form of the ears permit of hoops of any size or contour being employed, so that by using a lug constructed in accordance with my invention it will not be necessary to employ a hoop of any predetermined form or diameter. Moreover, the lug can be used upon tanks or other receptacles of different sizes, as the rods can project through the ears at different angles. By forming the lug in a single casting a cheap and durable device of simple form is provided.

Having thus described the invention, what I claim is—

1. A lug for tank-hoops comprising a rectangular body-plate provided at opposite sides with oblong rectangular wing-plates lying on opposite sides of the longitudinal center thereof, each wing-plate having at its outer end a receiving-groove and a retaining-lug located at the outer side thereof, the body being centrally formed with a double-arched portion forming ears located respectively in alinement with said wings, said ears having their crown-walls inclined in opposite directions.

2. A lug for tank-hoops comprising a rectangular body-plate provided at opposite sides with oblong rectangular wing-plates ly-

ing on opposite sides of the longitudinal center thereof, each wing-plate having its upper face upwardly and inwardly inclined and being provided at its outer end with a receiving-
5 groove and a retaining-lug on the outer side of said groove, the body being centrally formed with a double-arched portion form-

ing ears located respectively in alinement with said wing, said ears having their crown-walls inclined in opposite directions.

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